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ABSTRACT

2 An apparatus for sealing a vacuum chamber mainly comprises a plurality of long  
3 cylinders for linearly moving first piston rods. The first piston rods connect with a frame  
4 elevator. The frame elevator has a second piston rod and guide stems parallel to the first  
5 piston rods. While the second piston rod moves parallel to the guide stems by means of  
6 the short stroke cylinder, a lever, a transmitting rod and a connecting rod are driven  
7 synchronously. The transmitting rod is pivoted with the middle of connecting rod. The  
8 direction-changing mechanisms are pivoted at the two ends of the connecting rods for  
9 horizontally moving a door to seal the vacuum chamber. The moving direction of the  
10 door pushed by direction-changing mechanisms is perpendicular to the moving direction  
11 of the second piston rods so that the apparatus has a super thin configuration.

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